

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

HAER,  
ARIZ,  
7-TEMP,  
4

Crosscut Hydro Plant  
North side of Salt River  
Tempe  
Maricopa County  
Arizona

HAER No. AZ-30

The following are photocopies of photographs [original prints are in the Salt River Project Archives, Phoenix, Arizona]. (Photograph No. AZ-30-5 is an enlargement of a 4" x 5" negative.)

- AZ-30-1 VIEW FROM SOUTH OF CROSSCUT HYDRO BUILDING UNDER CONSTRUCTION  
Photographer: Walter J. Lubken, c. 1913
- AZ-30-2 INTERIOR VIEW OF CROSSCUT HYDRO PLANT, SHOWING 25 CYCLE GENERATING UNITS AND EXCITER UNITS [FOREGROUND]  
Photographer unknown, March 4, 1953
- AZ-30-3 INTERIOR VIEW OF CROSSCUT HYDRO PLANT, SHOWING 25 CYCLE SWITCHBOARD  
Photographer unknown, March 4, 1953
- AZ-30-4 INTERIOR VIEW OF CROSSCUT HYDRO PLANT, SHOWING LEFFEL WATER WHEEL, INSTALLED IN 1938  
Photographer unknown, no date
- AZ-30-5 INTERIOR VIEW OF CROSSCUT HYDRO PLANT, SHOWING 25 CYCLE GENERATING UNITS [FOREGROUND] AND 60 CYCLE GENERATING UNIT [REAR]  
Photographer unknown, no date
- AZ-30-6 INTERIOR VIEW OF CROSSCUT HYDRO PLANT, SHOWING 25 CYCLE-60 CYCLE FREQUENCY CHANGER  
Photographer unknown, December 14, 1940
- AZ-30-7 VIEW OF CROSSCUT FOREBAY, LOOKING SOUTH. CONSTRUCTION FOR THE DESILTING BASIN IS VISIBLE ON LEFT  
Photographer unknown, March 13, 1939

Crosscut Hydro Plant  
HAER No. AZ-30  
Index to Photographs  
(Page 2)

- AZ-30-8 VIEW SHOWING FORM WORK OF DESILTING BASIN DAM. THE DOWNSTREAM FACE [RIGHT] WAS COMPOSED OF A SERIES OF ARCHES  
Photographer unknown, March 13, 1939
- AZ-30-9 AERIAL VIEW OF CROSSCUT FACILITY, LOOKING SOUTHWEST. THE NEW CROSSCUT CANAL ENTERS THE PICTURE AT FOREGROUND RIGHT, EMPTYING INTO THE FOREBAY AND DESILTING BASIN [CENTER]. THE DUAL PENSTOCKS ARE SEEN AS THE STRAIGHT LINE RUNNING TOWARD THE HYDRO PLANTS [ACROSS VAN BUREN STREET. top]. THE BEGINNING OF THE GRAND CANAL IS VISIBLE, CURVING TO THE RIGHT BEYOND THE RAILROAD TRACKS  
Photographer unknown, no date
- AZ-30-10 VIEW SHOWING THE REPAIR OF THE CROSSCUT PENSTOCK  
Photographer unknown, February 2, 1953
- AZ-30-11 AERIAL VIEW OF CROSSCUT FACILITY, LOOKING NORTH. THE HYDRO PLANT [CENTER] SITS ON THE EDGE OF RAVINE WHICH IS ACTUALLY THE BEGINNING OF THE GRAND CANAL. THE CROSSCUT STEAM PLANT IS THE LARGE WHITE BUILDING JUST WEST OF THE HYDRO PLANT, WITH THE TRANSMISSION SWITCHYARD IN BETWEEN. THE OTHER BUILDINGS ARE SALT RIVER PROJECT FABRICATION AND EQUIPMENT SHOPS  
Photographer unknown, August 22, 1958
- Photographs No. AZ-30-12, AZ-30-14, AZ-30-15, and AZ-30-16 were taken by Mark Durben in April 1989. Photograph No. AZ-30-13 was taken by Kevin Kreisel-Coons in May 1990.
- AZ-30-12 VIEW SHOWING CROSSCUT CANAL ENTERING FOREBAY, LOOKING SOUTH
- AZ-30-13 VIEW OF CROSSCUT FACILITY, LOOKING SOUTH
- AZ-30-14 VIEW OF CROSSCUT HYDRO PLANT, LOOKING NORTH
- AZ-30-15 VIEW OF CROSSCUT HYDRO PLANT, LOOKING NORTHEAST
- AZ-30-16 VIEW OF CROSSCUT PLANT OUTLET, LOOKING NORTH

Crosscut Hydro Plant  
HAER No. AZ-30  
Index to Photographs  
(Page 3)

The following are photocopies of drawings. Original drawings are on file at the Salt River Project Archives, Phoenix, Arizona

AZ-30-17	CROSSCUT PROPERTY AND POWER LINE LOCATION April 1951
AZ-30-18	COMPARISON OF PRESSURE PIPE AND CONCRETE-LINED DITCH ON FILL FOR NEW CROSSCUT POWER CANAL January 22, 1912
AZ-30-19	ARRANGEMENT OF WATER WHEEL UNITS AND CENTRAL OIL PRESSURE SYSTEM, CROSSCUT POWER PLANT No date
AZ-30-20	ERECTING ASSEMBLY FOR MAIN UNIT BED-INTAKE FRAME AND NOZZLES March 13, 1913
AZ-30-21	1000-HP VERTICAL WATERWHEEL UNIT No date
AZ-30-22	WHEEL-BODY FOR MAIN UNIT c. 1913
AZ-30-23	SHAFT FOR MAIN UNIT April 10, 1913
AZ-30-24	SPIDER FOR VERTICAL BEARING, MAIN UNIT March 38, 1913
AZ-30-25	6-3/4-FOOT STREAM DEFLECTOR FOR MAIN UNITS June 3, 1913
AZ-30-26	NOZZLE FOR MAIN UNIT April 20, 1913
AZ-30-27	NEEDLE FOR GATE VALVE, MAIN UNITS No date
AZ-30-28	ALTERATIONS OF STEAM VALVES AND PISTONS July 29, 1915